Vol. XXIV. No. 24.

BOSTON, MASS., MONDAY, NOVEMBER 21, 1904.

PRICE THREE CENTS.

POLICE -BOARD HEARING.

Counsel and Police Disagree as to Purpose of Inquiry.

The sessions of the Tech Hearing on Thursday and Friday of last week proved to be the most interesting thus far, because most of the witnesses were actual participants in the affair at Rogers steps. During the cross-examining of F. O. Adams, '07, the question was brought up whether the Institute authorities could have prevented trouble by the exercise of a little care in telling the students to keep off the steps.

.A. P. Mathesius, '06, was the first witness Thursday. He was, perhaps, the most severely injured of the Tech students who were clubbed, and only this last week has come out of the hospital. Mathesius said that he was clubbed by a policeman when he was doing his best to get out of the way.

V. Gaubrau, '08, W. Lewis, '06, and G. A. Griffin, '07, all gave some very important evidence. G. W. Sawyer, assistant janitor of the Rogers Building, said that the ash barrels were out, and may have contained some "clinkers," but he saw none thrown at the police. F. O. Adams, '07, stated that he was of the opinion that most of the officers got to the top of the steps by running up with the students, trying to keep in front of them.

The important fact was brought out by the witnesses that the Tech marshals were unaware of any order having been given to the police to keep them off the steps of the Rogers Building, Chief Marshal Lombard, '05, testified that he spoke to the lieutenant in charge of the police, to learn just what the orders were in that respect, but could get no satisfactory reply to his questions. In order to avoid any possibility of trouble, Lombard endeavored to keep the paraders in motion and to lead them on past the Rogers Building, but his orders were of no avail. Marshal C. L. Rodgers, '05, described the parade, during which he saw not the slightest feeling of animosity between the police and students until the final fracas on Rogers steps. Rodgers felt certain that the students would have kept

off the steps if they had only known of such a wish before they reached

A. Macomber, '07, testified that he was hit on the side from behind and was clubbed twice while lying dazed on his hands and knees. F. S. McGregor, '07, said that there was no preconcerted signal to climb the steps. Many other statements by students and others, tended to show the aggressiveness on the part of the police.

At Saturday's hearing something of a sensation was created, when J. Daniels, '05, and W. F. Dolke, '08, both identified Sergeant Fitzgerald as the officer who clubbed them, Thus far Sergeant Fitzgerald is the first officer to be identified by any of the students. Counsel Hill presented a series of twenty photographs of the injured Technology students, which he wished to enter as evidence. M. B. Hall, '08, testified to having seen a policeman brandish a revolver in front of the Brunswick. G. Marshall, 105, and R. H. Lord, '05, both testified, the latter stating that there was no concerted attempt to push the float at the officers, W. F. Dolke, '08; G. W. Treat, '98; E. W. Colkins, '05; II. Coes, '06; and Dr. F. W. White, all gave some very important testimonv.

Counsel Hill for the Institute was unable to finish his case at Saturday's session, but expects to have all his evidence in today.

Statement by Tech Counsel.

"The position taken by the Board seems to show an unfortunate misconception of the duties of the police commission. It is not a judicial body, and if it can be said to be sitting in a judicial capacity it does so only in regard to the conduct of its own subordinates. It is an administrative body, whose function is the management of the police of the city; and it is holding this investigation for its own guidance, namely, to ascertain whether its own subordinates have been at fault or not; and, if they have been at fault, to take such action as will prevent similar conduct in the future. It is not a part of the province of the Commission to fix the blame for the affair, but merely to determine whether

the police were to blame; and the conduct of anyone else is important only so far as it tends to show whether the police were at fault or not. If, for example, it should appear that the police were guilty of excessive brutality, but that they had been under provocation from other people, - and the evidence so far presented does not seem to make this probable, - it would then be the duty of the Commission to take such measures of discipline in regard to the police as would prevent brutality in the future. It would not be within their power to punish other people; nor would it be a part of their duty to express an opinion upon their conduct. It is misconceptions of this kind that give rise to the public sense of insecurity about the control of the police."

Professor Prescott Honored.

Prof. Samuel C. Prescott, B. S., assistant professor of industrial biology in the Institute, has been appointed to the collaborators of the leading bacteriological Journal of Germany. Professor Prescott has been recognized as an authority in this branch of science, and his appointment to work in conjunction with the corps of eminent specialists of Germany, Denmark, Austria, Russia, England, Holland and Switzerland, is regarded as a great compliment, not only to Professor Prescott, but to American Scientists as a body.

Mining Engineering Society.

A meeting of the Mining Engineering Society will be held at Tech Union to-night at 7.45 P.M. Dr. T. A. Jagger will give a talk on "Geology and Mining." All interested are invited to be present.

Attention is called to the fact that all men in Course III. of the three upper classes are eligible to membership. All such men wishing to join the Society should leave their names at the Cage for the Secretary or the President of the Mining Engineering Society.

R. H. ALLEN,

President.

The William Barton Rogers number of The Technology Review is on sale at the News Bureau.

CROSS COUNTRY RUN.

Two Men Break Record for the

The fall handicap meet of the Cross Country Association was held over the old championship course at West Roxbury. The men who participated were all in good condition and the finish was more closely contested than in former years.

The time prize was won by E. H. Lorenz, who covered the course in forty-six minutes and fifty-five sec-

This is a new record for the course, the former record being forty-nine minutes and twenty-one seconds. H. R. Callaway also broke the record for the course, running the eight miles in forty-eight minutes and thirty-four seconds.

The first man to finish was C. A. Howard, '06, with E. H. Lorenz second, and P. G. Clapp third. The time of the first four men, together with their handicaps, was as follows:

C. A. Howard first (61/2 min.); time, 51 min. 21 sec.; E. H. Lorenz second (scratch); time, 46 min. 55 sec.; P. G. Clapp third (21/2 min.); time, 49 min. 25 sec.; H. R. Callaway fourth (11/2 min.); 48 min. 25 sec.

Basket Ball.

The basket ball squad is at present composed of the following men: Blake, '06 (Capt.); Mathison, '06; Burleigh, '06; Wiggins, '05; Kennedy, '06; Coey, '06; Moffatt, '06; Frederick, '07. The squad will practice every Friday and Thursday at 4 P.M., and on Saturday at 2 P.M.

Civil Engineering Society.

All members of the Society are urged to attend the meeting this afternoon at 4.15, in Room 11, Eng. B, to hear Mr. Winsor's interesting talk on the proposed Charles River Dam. All others who are interested are invited to be present.

Society of Arts.

There will be a meeting of the Society of Arts, Wednesday evening, November 23, at 8 o'clock. Mr. Desmond Fitzgerald, C. E., will speak on "Manila and the Philippines as They are Today." All students are cordially invited to attend.



Published every Monday, Wednesday and Friday during the college year (from September to June), by students of the Massachusetts Institute of Technology.

Application pending for entry in the Boston Post-office as second-class mail matter.

Editorial Staff. .

CHARLES T. BARTLETT, 1906, Editor-in-Chies Secretary WALTER H. TRASK, 1906, L. T. BUSHNELL, 1905 J. Daniels, 1905

W. RANNEY, 1906 A. H. DONNEWALD, 1907

News Staff.

W. G. WALDO, 1996. R. P. LOWE, 1907. W. F. DOLKE, 1908. E. Bell. 1905 J. M. BARKER, 1907 E. F. WHITNEY, 1907.

Business Staff.

Donald G. Robbins, 1907, Business Manager F. A. Berham, 1906, Asst. Business Manager M. Moleod, 1907, Asst. Business Manager

Office: 30 Rogers Building, 491 Boylston Street

Hours:	Editor-in-Chief Business Manager	8:30-9 8:30-9	Daily
			46
	Managing Editor	1:00-2	14
	(News Bureau, Rogers Cor.)	4:00-5	44
	wogers cor.)		

Contributions are requested from all under-graduates, alumni and officers of instruction. No anonymous manuscript can be accepted. All communications regarding subscrip-tions or advertisements, should be addressed to the Business Manager.

\$1.50 per year in advance. Subscription -Single Copies 3 Cents.

In charge of this issue : A. H. Donnewald, 1907

Monday, November 21, 1904,

WILLIAM A. MICHOLS, PRINTER, 268 SUMMER ST., REAR

The outlook for winter athletics is unusually encouraging this year. In addition to the customary indoor track athletics and gymnasium work, we may look forward to an interesting basket ball schedule, a series of 'excellent fencing matches, and probably to several intercollegiate games of hockey. The Fencing, Basket Ball, and Hockey Teams have all taken warning from their past experiences to begin work early, and men intending to go into these branches of athletics should not lose sight of the fact that they cannot this season delay their entries.

Dr. Thomas M. Drown, president of Lehigh University, died last Thursday at his home at Bethlehem, Pa. Dr. Drown was born in Philadelphia, March 19, 1842, and was Professor of Chemistry at the Institute from 1885 to 1895.

Dr. White gave a lecture last Saturday, to the Freshman Class on "Personal Hygiene." Before the Dean introduced Dr. White, he stated that the Technology Club invited all the Freshmen who had no dinner engagements for next Thursday to be its guests at dinner that day. All those who intend to accept are requested to leave their names with the Dean before tomorrow and a formal invitation will be sent to them.

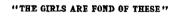
Lowell Institute Lectures.

The Lowell Institute lecture tonight will be given by Mr. Ettore Pais, Professor of Ancient History and Classics in the University of Naples, and a member of the Academy of Sciences of Rome. subject of Professor Pais, course is "Legends of Early Roman History," and his lectures are given at 8 P.M., in Huntington Hall. Albrecht Penck, Professor of Geography in the Unversity of Vienna, Austria, will lecture tomorrow night in the same hall on "Selected Chapters in Physiography."

Penn's New Field.

A \$600,000 athletic field, which has just been completed at the University of Pennsylvania, includes a gymnasium costing \$300,000, the most prominent features of which are one of the largest and finest floors in the country, modern apparatus of the highest order, and a swimming pool 120 feet long and 40 feet wide and from 3 to 10 feet in depth. The work in the gymnasium is compulsory for all students of the college under twenty-one.

A special service for men students will be held in Emmanuel Church. 15 Newbury Street, on Sunday evening, November 27, at 8 o'clock (instrumental music 7.30 to 9.) The preacher will be the Rev. William S. Rainsford, D.D., Rector of St. George's Church, New York. Admission only by cards, which may be obtained free at the Y. M. C. A., the Y. M. C. U., at the offices of the Institute of Technology and at Emmanuel Church.





Tech Emblems

Greatest Variety Lowest Prices

BENT & BUSH

15 SCHOOL ST.

BOSTON, MASS.

WOODLAND PARK

AUBURNDALE, MASS.

Rooms singly or en suite, with or without private baths.

Tennis, Golf. Canoeing; Superb Grounds and Admirable Cuisine.

Banquets and Dinners a Specialty. An ideal stopping place for visitors to M.I.T.

FREDERICK WILKEY, Proprietor.

Send for Illustrated Booklet.

THE WALTHAM WATCH

THE BEST IN THE WORLD

AMERICAN WALTHAM WATCH Co., WALTHAM, MASS.



W. M. ROWAN "THE TECH BARBER"

Westminster Hotel . . St. James Ave. SPECIAL TO STUDENTS SHAVE 15 CENTS HAIR CUT 25 CENTS



J. C. LITTLEFIELD. Tailor and Outfitter,

I can offer you a larger and more complete assortment than can be seen elsewhere, and at lower prices for the same qualities. Look in and examine my prices before placing your order. Golf Breeches, Riding Breeches, and Dress Suits a Specialty.

DISCOUNT TO STUDENTS.

The Tech Pin Fraternity Pins and Seals Steins and Medals FREDERICK T. WIDME WIDMER. Successor Henry Guld & Son, 28 West St.



58 WINTER STREET. COR, TREMONT.



McMORROW

College Shoes for College Men

238 Washington Street, Boston, Mass. OPPOSITE YOUNG'S HOTEL

STUDENTS INSTITUTE OF TECHNOLOGY

There is absolutely no Cigarette to compare to the

"MENTOR"

in smoothness, aroma and delicacy. It appeals to the "educated," not to the "hoi polloi." Please give it a trial. Made in three numbers.

No. 1, 20 cts. per box No. 2, 15 cts. per box No. 3, 10 cts, per box

GEORGE W. BROWN

Merchant : **Tailor**

110 TREMONT STREET

Makes up-to-date students' clothes at very reasonable

Suits and Overcoats from \$35

CLOSING OUT ALL HIGH GRADE FANCY SUITINGS AND OVERCOATINGS

THAT SOLD FROM

\$32.50 to \$45.00 at greatly Reduced Prices.

An opportunity for you to get a fine Foreign Cloth at the price of a Domestic. Want new goods next season — never carry over any if we can avoid it. Will pay you to buy now.

BURKE & COMPANY

TAILORS
1246 Massachusetts Ave. 843 Washington St.
Cambridge, Mass. Boston, Mass.

That Totally Different Clothing for Men

Made to Order Ready to Wear **Automobile**

SMITH & SMULLEN CO.

16 SUMMER STREET

Near Washington Street



Hotel Lenox

Boylston and Exeter Streets Back Bay, BOSTON

ONE OF THE FINEST MODERN FIRE PROOF HOTELS IN THE Country. Two Minutes' WALK FROM THE BACK BAY STATIONS, AND ONE BLOCK FROM COPLEY SQUARE

> CHARLES A. GLEASON, Manager Send for illustrated booklet

NOVES BROTHERS

Gloves Pownes Bros. & Co., London. Gloves for Street, Dress, and Driving, \$1.50 to \$3.00. Pownes' Hand Sewn, \$1.50.

50c. to \$5.00

New Neckwear Newest Silks, Latest Shapes. Const the Cravat, and the Gloves to Wear. Consult us to know the Linen,

Shirts, Hosiery Shirts \$1.00 to \$7.50 For Business, Dress and Travelling, Hosiery, Collars, Cravats, Pins, Canes and Handkerchiefs, 50c. to any quality desired.

NOYES BROTHERS.

Washington and Summer Sts.,

Boston, Mass., U. S. A.

Established 1874

DURGIN, PARK & CO. **Market Dining Rooms**

30 North Market & 31 Clinton Streets BOSTON

OPEN FROM 5 A.M. TO 7 P.M.

A. H. MATZ & CO.. Merchant Tailor, 32 HUNTINGTON AVENUE. Telephone 1336-3 Back Bay.

Contract Pressing by the Month.

FACULTY NOTICES.

The examination in Dynamics of Machines will take place as soon as can be arranged after December 1. Date to be announced later.

Exercises in Wood Turning, Course II., began on Wednesday, November 16.

The first "test" to be given in Heating and Ventilation will be limited to pages 1 to 5 inclusive, of the Syllabus, ending with the fourth line on page 5.

Hydraulics.

courses II., III., VI., X., XIII.

Exercises in Hydraulics will begin Monday, November 21, as scheduled on Tabular View.

For first exercise prepare Articles 11, 15, 16, in Merriam's "Treatise on Hydraulies" (edition of 1903 or 1904), to be had at Damrell and Upham's, Bromfield Street, or at Maclachlan's.

Exercises will be held in the fol-

lowing rooms:

II_{1.2}, X₄, XIII., instructor, Mr. Thorndike, Tuesday 12 to 1, Room 49, Eng. A; Friday 9 to 10, Room 53, Eng. A. II₃₋₄, instructor, Mr. Thorndike, Monday 9 to 10, Room 53, Fng. A; Thursday 12 to 1 53, Eng. A; Thursday 12 to 1, Room 49, Eng. A. III., instructor, Professor Porter, Wednesday 12 to 1, Room 54, Eng. A; Friday 11 to 12, Room 549, Eng. A. VI., instructor, Professor Porter, Tuesday 9 to 10, Pager 39, Toyoll, Saturday 10 10, Room 22, Lowell; Saturday 10 to 12, Room 49, Eng. A.

KEEPS!

SPECIALISTS in SHIRTS to order, as well as all Men's Wear, such as Hosiery, Underwear, Tailor-made Suits, Rain Coats, etc., all at popular prices.

Laundry Called for and Delivered

KEEP MFG. CO.

Makers of Keep's Shirts

156 TREMONT STREET

Park Theatre.

Otis Skinner is the reigning favorite'this week, presenting his entirely new drama from the French of Jean Richepin, entitled "The Harvester." It is a powerful love romance of French Canadian life, and Mr. Skinner's character is a notable impersonation of dramatic strength.

Hollis Street Theatre.

This is positively the last week of the stay of William Gillette in this city, and after next Saturday night "The Admirable Crichton" will be a memory of the past. It is J. M. Barrie's most delightful bit of satire and gives Mr. Gillette the best character he has played in a long time.

Colonial Theatre.

Richard Mansfield's strong programme for his farewell week is as follows: "Richard III," Monday and Saturday; "A Parisian Romance," Tuesday; "Beau Brummel," Wednesday and Thursday matinee; "Ivan the Terrible," Thursday; "Dr. Jekyll and Mr. Hyde," Friday;
"The Merchant of Venice," Saturday matinee.

Tremont Theatre.

The coming week will be the last of Henrietta Crosman's engagement in "Sweet Kitty Bellairs," and there will be a special matinee Thursday, Thanksgiving Day. The Crosman engagement has been one of the most successful of a very brilliant season.

BOSTON

COES & YOUNG

20 SCHOOL STREET,

DOUBLE SOLED OXFORDS FOR FALL!

and Winter Wear——

Copley Square Hote1

Huntington Ape. & Exeter St.

PATRONAGE of "Tech" students solicited in our Cafe and Lunch Room

The attention of Secretaries and Banquet Committees of Dining Clubs, Societies, Lodges, etc., is called to the fact that the Copley Square Hotel has exceptionally good facilities for serving Breakfasts, Luncheons or Dinners and will cater especially to this trade.

Amos H. Whipple, Proprietor

H. M. LEVINE Tailor

125 TREMONT STREET. **BOSTON** Telephone, Oxford 1973-2

THE BRUNSWICK

Boylston and Clarendon Sts., BOSTON. (Adjoining Copley Square)



Conducted on both the American and European Plans.

AMOS BARNES, Proprietor. HERBERT H. BARNES, Manager.

The Technology Review

A QUARTERLY MAGAZINE DEVOTED TO THE INTERESTS OF THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY AND

Published by the Association of Class
Secretaries 83 Newbury Street, Boston

The Review aims to develop closer relations among Institute men, and to stimulate their interest in the work of

the College.

It is in no sense an engineering magazine, but deals broadly with the problems of Technological Education and the responsibilities of the professional man sional man.

THE REVIEW IS published during January, April, July and October. Communications should be addressed to THE TECHNOLOGY REVIEW, 83 Newbury Street, Boston, Mass.

SUBSCRIPTION, ONE DOLLAR A YEAR SINGLE COPIES, THIRTY-FIVE CENTS

Volumes I., III., IV., and V., finely bound in half morocco, are ready for delivery at \$2.00 each, or will be exchanged for unbound sets, provided they are in good condition, at \$1.00 each. (If sent by mail, 30 cents extra.)



Oak Grove Creamery Company,

DAIRY LUNCH ROOM.

445 BOYLSTON STREET, COR. BERKELEY

SANDWICHES OF ALL KINDS, SOUPS, TEA, COFFEE, AND REGULAR DAIRY LUNCH

Our menu consists of a careful selection of the most appetizing and seasonable viands the market affords. Our unique combination breakfast plan is proving a most popular feature.

\$5.50 Check for \$5.00.

Pure Milk and Cream.

The Improved

The Standard for Gentlemen

ALWAYS EASY The Name "BOSTON GARTER" is stamped

on every loop.

Lies flat to the leg—never slips, Tears nor Unfastens

SOLD EVERYWHERE.

Geo. Frost Co. Make. Buston, Mass., U.S.

CUSHION

BUTTON

CLASP

NELSON L. MARTIN, Treasurer,

THE POPULAR PLACE

The Students' Drug Store

Under Copley Square Hetel HUNTINGTON AVENUE E. G. BOSSOM, PROPRIETOR We carry a full line of Drug Store Goods

LANDERS' Lunch and Coffee House

SPECIAL ROOM FOR LADIES 25 Years' Experience

20 Huntington Avenue, near Copley Sq. BACK BAY, BOSTON

A new, finely-appointed room for ladies fitted up with very latest improvements, with our usual first-class service. New room is in

We take pleasure in catering to our Tech patrons, and hope for a continuance of their

CITY TRUST CO.

40 STATE STREET.

Capital and Surplus - - \$2,000,000

PHILIP STOCKTON, President. C. F. ADAMS, 2d, Vice-President. GEORGE W. GRANT, Treasurer. GEORGE S. MUMFORD, Secretary. H. S. GREW, 2d, Asst.-Treasurer.

Your Deposit Account is Invited.

THE

F. A. Robbins Co..

Jewelers

and...

Silversmiths.

451 Main St., Springfield,

23 North St.. Pittsfield.

MASS.

WE ALSO CARRY A FULL LINE OF

Stationery,

and solicit your orders for Engraving.

Walter C. Brooks & Company

Importing Cailors

SECOND FLOOR, OLD SOUTH BUILDING

294 WASHINGTON ST., BOSTON

Notices.

The Pennsylvania Club will hold its first dinner on Wednesday, Nov. 23, 1904, at the Tech Union at 6.30 P.M. All Pennsylvania men are invited.

There will be a meeting of the Sophomore Class Tuesday at 1 P.M. It is important that every one be present, as class canes and pipes will be selected.

The meeting of the M. I. T. A. A. which was to take place on Monday, November 22, is postponed until H. J. MANN. further notice.

Books Left in the Lunch Room.

French Prose, W. S. Caypless, '06; Notes, F. L. Bardwell; Notes, C. H. Chase, '06; Notes, Political Economy, no name.

Go to

Huntington Avenue, corner West Newton Street... for

Drugs and Prescriptions

CALENDAR.

8.00 p. m. Lowell Institute lecture by Professor Pais. Huntington Hall. TUESDAY, NOVEMBER 22.

1.00 p.m. 1907 Class Meeting. 4.00 p.m. Mandolin Club, 31 Rogers. 8.00 P. M. Lowell Institute lecture by Professor Pen k. Huntington Hall

8.00 p. m. Lowell Institute lecture by

Suspended.

Theatre Attractions

BOSTON MUSIC HALL.-Vaudeville. CASTLE SQ .- "In the Palace of the King." COLONIAL. - Mr. Richard Menafield in Repertoire.

GLOBE.—Billy B. Van in "The Errand Boy."

MOLLIS.—William Gillette in "Admirable Crichton."

MAJESTIC .- Miss Ada Rehan in Repertoire. PARK .- Otis Skinner in "The Harvester." TREMONT.—Henrietta Crosman in "Sweet Kitty Bellairs."

HERRICK TICKETS * *

Copley Square

Telephone 2329, 2330 and 2331 Back Bay

MONDAY, NOVEMBER 21. -

WEDNESDAY, NOVEMBER 23.

Professor Pais. Huntington Hall.

Thursday, November 24, Exercises

C. F. HOVEY & CO.

EVERY PAIR WARRANTED

Men's Furnishing Goods. Custom Made Shirts a Specialty,

33 Summer Street BOSTON. 42 Avon Street



408 and 410 Boylston St. LUNCH COUNTER, RESTAURANT and FANCY BAKERY, Ice Cream, Soda, Etc.

Table d'Hote and a la Carte Dinners a Specialty.

Long Distance Telephone 21740 Back Bay.



BERKELEY AND BOYLSTON STREETS Ruropean and American Plans

Modern in Every Detail Restaurant à la Carte Dining Room table d'hote Gentlemen's Cafe and Billiard Room

Entrance on Berkeley St JOHN A. SHERLOCK

STONE & WEBSTER

Electrical Experts and Engineers

84 STATE ST., BOSTON, MASS.

MEADOWBROOK RESTAURANT

24-26 HUNTINGTON AVENUE

Huntington Chambers Building, near Copley Square